Specification, Installation and Operation Manual
For
Stainless Steel Toilet Pans & Basin Combination Units
Square Bodied with Manual Single flush

This manual is suitable for the following models:

Standard Models:

SPPL.TP.CS.NT.FA.MS	Toilet & Basin Combi Square – No Toilet Roll Holder - Front Access – Manual Single Flush
SPPL.TP.CS.T.FA.MS	Toilet & Basin Combi Square - Toilet Roll Holder - Front Access – Manual Single Flush
SPPL.TP.CS.NT.RA.MS	Toilet & Basin Combi Square - No Toilet Roll Holder - Rear Access – Manual Single Flush
SPPL.TP.CS.T.RA.MS	Toilet & Basin Combi Square - Toilet Roll Holder - Rear Access – Manual Single Flush

The Standard Model of the SPPL.TP.CS range is the SPPL.TP.CS.NT.FA.ED.
Additional suffixes may be added for site specific variations. (e.g. For WA Police an additional block is added between bubbler and splashback. This variation is recognised by a suffix ".WA").

Electronic Dual Flush units are configured standard with buttons mounted in Combi body. By special request units can be supplied with only full flush button for single flush installations (.ES) or with no buttons in body for remote button positions (.ER)

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RECOMMENDATIONS

Upon receiving a Stoddart product, inspect immediately for any visible signs of shipping damage and notify the carrier immediately. When removing the product from its packing, be careful not to dent or scratch outer surface. Any concealed damage should be noted and reported immediately to the freight carrier. A claim should be filed with carrier if appropriate.

RESPONSIBILITIES

Stoddart thoroughly inspect all products before they are despatched from our factory. Stoddart Manufacturing will not accept responsibility for shipping damage.
The Plumber is responsible to ensure that the system is installed in accordance with all specific requirements of local codes and regulations (including AS 3500). If questions or complications should arise during the installation of a Stoddart product that cannot be solved using the accompanying instructions, please contact our offices or local representatives.

Note: It is the responsibility of the plumber to install this product in accordance with AS3500.

SCOPE

This product is designed to be used in institutions and public facilities where vandalism resistance and/or security is required. The product is manufactured to the requirements of AS1172.1 and associated reference standards. The product incorporates a toilet pan and basin in one combined unit. The toilet pan and basin are pushbutton operated. The product is manufactured as a "P trap" design with a rear water inlet. P-S converters are commercially available for applications requiring S trap sewer connection.

FEATURES

- Fully shrouded stainless steel pan.
- Fully welded seamless outer construction.
- Secure access panels
- Flushing volume tested with specific electronic flushing devices to achieve 4.5/3 litre flush
- Integral hand basin.
- Suicide resistant design

REFERENCED AUSTRALIAN STANDARDS

Markings	Unit Marking to include Maker's Name, Model identification, Watermark Certification & Flushing volume Installation & Maintenance Manual to state valve manufacturers name / model to be used in a matched performance set Copper alloy products marked 'DR'	AS 1172.1–1993 Section 1.6
Pan Materials	Stainless Steel	AS1172.1 Clause 2.3.1
Pan Outlet Dimension	Shall comply with the applicable clauses	AS 1172.1 - Clause 1.4.4 & Fig. 2
Pan Water Seal	Shall comply with the applicable clauses	AS 1172.1 - Clause 1.4.1
Pan Tests	Shall comply with the applicable clauses	AS 1172.1 - Clause 1.5.1-1.5.7
Dezincification resistance	Dezincification resistance applicable to copper alloy components in contact with mains water	AS 2345
Contamination of water	Suitability of Plumbing & Water Distribution Systems Products for Contact With Potable Water Products For Use In Contact With Drinking Water	AS 3855 AS4020
Pipes and Fittings	Dimensional compliance with relevant or corresponding Australian Standard for the pipe or fitting	AS 3688
Joints (i.e. Spigots, sockets, flanges, or other joint components, where interfacing other authorized components)	Dimensional compliance with relevant or corresponding Australian Standard for the pipe or fitting Pipe Threads of Whitworth Form. – Part 2 Fastening Pipe Threads	AS 3688
Flushing Valve	Shall comply with MP52 Spec 20	MP52-Spec 20
Water tightness	subjected to a hydrostatic pressure test of 2 +0.1, -0MPa for a period of 60 + 10, -0s, the flushing device & bubbler shall not leak	
Installation	Warranty / Installation instructions shall be provided by the manufacture	AS3500
Wash Basin	Shall comply with the applicable clauses	AS/NZS 1730-1996 MP52 Spec 29

INSTALLATION OF PRODUCT

Requirements

All Stoddart Toilet & Basin Units must be fitted with an electronically operated flush valve require the following;

- Water supply pipe for bubbler valve must be 15mm diameter minimum.
- Water supply pipe to flush valve must be 20mm diameter minimum.
- Flow to the flush valve face must be 1.2-1.5 litres/sec.
- Water pressure must be 250kpa minimum to 500kpa maximum.
- An inline water filter should be fitted to protect the flush valves.
- 240V, 10A GPO for electronic models.

Installation of Toilet Pan and Basin Combination Unit

All Stoddart Toilet pan and basin combination units are supplied with mounting holes pre-punched for easy installation.

- Remove the packing.
- Remove the access panels from the Combi unit.
- Locate the in the correct position & set level.
- Check the alignment of the toilet connection pipes.
- Mark the mounting hole positions onto the floor and wall.
- Remove the Combi Unit.
- **Flush the water lines before installing flush valves.**
- Install M10 fixing bolts in the wall and secure the Z-clip to floor.
- Fit the furnco flexible coupling to the sewer discharge pipe.
- Fit the key seal to the inlet pipe. (*The entire key seal is to be inside the flush pipe when toilet is in position).*
- Fit a 40mm PVC trap to the Combi Unit basin outlet.
- Position the toilet in the correct location whilst coupling the toilet waste to the sewer discharge pipe.
- Tighten the flexible coupling fasteners and the wall mounting bolts.
- Connect the 40mm basin trap to the 40mm sewer discharge pipe.
- Connect the flush valve to water supply, test & check for leaks.
- Connect bubbler valve to water supply, test & check for leaks.
- Tighten all fasteners.
- Apply “no-pick” sealant around base and wall.
- Test Flush mechanism and check for leaks.
- Fit and secure access panels.
- Clean stainless steel surfaces.
- *Protect the installed product by wrapping in plastic until all other work is complete and the system is ready to be put into operation.*

Manual Flushing Device (purchased with Combi Unit or separately)

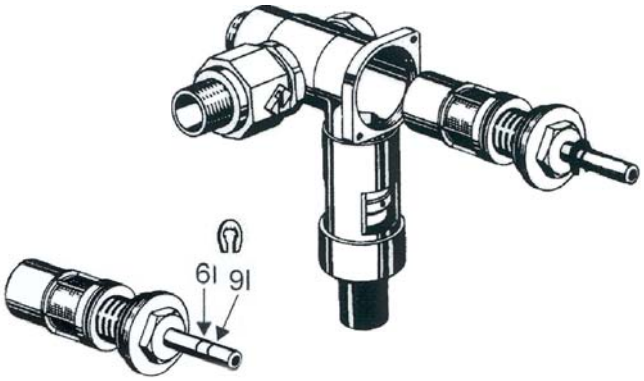
Approved Models:- Schell Verona Concealed WC Flush Valve Art. No.02 2370399

The Schell Verona range of valves are used to operate the toilet flush and the basin. These valves are fitted with single operation cartridge technology. The valves comply to Australian Standards and is approved to Watermark MP52 Spec 020:1997, License No. W 588.

The WC flush valve systems have been approved for direct connection to the portable water supply and offer 6/3 litre dual flush volume. The WC flush valve has been designed to incorporate an air-break system. This system is designed to prevent back-syphonage. These options are suitable for connection directly to the domestic cold water system.
The flush valves are suitable for general commercial installations with a range of methods to provide the necessary recirculation through the building.
(a) A domestic water storage tank at the roof plant room level.
(b) Pressure system using pumps with cylinders fitted with diaphragm.
(c) Variable speed pumping systems.
(d) Pressure available from the authorities’ water mains.
Each building may use one or a combination of the above to recirculate domestic cold water to each of the building fixtures.

The flush valve is supplied complete with stopcock, air brake, flush pipe bend and cartridge.
The basin valve is supplied complete with integral stopcock. The valves may be pre installed or loose as required.
The valve can be easily serviced since all serviceable parts are contained in the cartridge.

The cartridge is pre-set to a 6 litre full flush, but can also be simply reset to a 9 litre flush if required. The valve is very compact and fully serviceable.



Operating range is from 22 metres head to 50 metres head flow pressure at the valve for standard models achieving noise levels under 20dB at 25 metres head.
Note: A static pressure of 22 metres minimum head at the valve is required to ensure the valve opens when activated for flushing.
Design flow through Vr=1.3 litre/second at the valve, with this being the minimum requirement.
Flow pressure at the valve: 150 kpa
Flow rate at the valve 1.4 litres/second

For a single valve installation a minimum supply pipe size to the valve of 25mm is required. Multiple installations require larger pipe sizes and should be designed by an engineer.

Warranty

Upon receiving a Stoddart product, inspect immediately for any visible signs of shipping damage and notify the carrier immediately. When removing the product from its packing, be careful not to dent or scratch outer surface. Any concealed damage should be noted and reported immediately to the freight carrier. A claim should be filed with carrier promptly if appropriate. Stoddart Manufacturing will not accept responsibility for shipping damage.

The Standard Terms and Conditions of Sale clearly details Standard Warranty Policy. Plumbing Products offer additional conditions as follows;

- Warranty on materials and labour is limited to 12 months from date of installation.
- The Warranty does not cover damage caused by abuse, misuse or improper application or improper installation.
- Warranty Claims must be submitted in writing to Stoddart Manufacturing within 14 days of observation of fault.
- Items may be returned to Stoddart's Factory by the Customer for warranty inspection. For valid warranty claims, Stoddart will repair or replacement the item and return it to the Customer promptly.
- For installed products, Photos must accompany the Warranty Claim for effective consideration.
- If a site visit is required to conduct warranty repairs, such work will be carried out during normal business hours e.g. 8am to 5pm. Mon to Fri.

Cleaning Instructions

All surfaces of the product should be cleaned with mild soap and water or a neutral product.
Carefully rinse away all surplus cleaning product.

IMPORTANT: Never use harsh or abrasive cleaners on stainless steel. Do not use chlorinated or bleach water

Customer Complaints

All customer complaints regarding Stoddart Stainless Steel Toilets should be referred to:

Customer Service Department
Stoddart Manufacturing
149 Jackson Road 4109
Sunnybank Brisbane
Ph +61 7 33455011
Fax +61 7 33441000
Email: sunnybank@stoddart.com.au
Web : www.stoddart.com.au